

INSTALLATION GUIDE

# Coroline<sup>®</sup>

Corrugated Bituminous Roofing Sheet



**Tough and long lasting**  
**Guaranteed waterproof for 15 years**  
**Economical and easy to fix**

**ariel<sup>®</sup>**

# Coroline<sup>®</sup>

Corrugated Bituminous Roofing Sheet

Coroline corrugated bitumen sheet is a tough lightweight roofing and cladding material made from bitumen saturated organic fibres giving the following important features:

- Economical
- Resilient
- Environmentally friendly
- Guaranteed waterproof for 15 years
- Simple to fix
- High insulation and sound absorbency values
- Compatible with most commercially available construction materials

## IMPORTANT

These instructions are guidelines only and do not include all the appropriate equipment which should be used in accordance with safety regulations.



**1****Preparation Plan your project in advance.**

For solid decked roofs, ensure your roof is in good condition and make any necessary repairs before you begin installation of the Coroline sheets. Pay particular attention to the construction of the roof section. In this case it consists of an 18mm plywood decked roof supported on timber trusses. Check that the roof deck is sufficiently thick to accept penetration from the Coroline Fixings. Otherwise you will need to substitute the nail fixing with a suitable proprietary screw using the Coroline washer and cap assembly to seal the fixing.

For a Lean-to installation, purlins must be at the correct centres and not less than 25mm square, supported by rafters. A useful tip is to use a timber spacer to keep purlins square to eaves.

**2****Determining Roof Pitch**

For roof pitches of less than 10° the required sheet end lap is 300mm. At 10-15° the sheet end lap is 200mm and at more than 15° the end lap is 170mm.

**3****Fixing the Sheets**

Lay out the sheet, positioning square to the line of the eaves and verge. The sheet should overhang both verge and eaves. Take care that the overhang does not exceed 70mm in the case of the eaves.

If cutting is necessary, cut Coroline sheets to length using a hand saw with a lubricating spray on the blade.

Secure the sheet in place and fix to the verge using Coroline fixings at 100mm centres. Continue to install the sheet on the roof fixing through the crown of the corrugation. On a solid decked roof use a Coroline fixing at every corrugation to the top and bottom of the sheet and at every other corrugation in the middle course. For a Lean-to installation nail centres may be reduced to alternate corrugations at intermediate purlins. Set the next sheet in place with the required side lap and fix in place. Repeat until the roof is fully covered.



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### Fixing the Ridge to Solid Decked Roofs

To fix the ridge, align the ridge pieces on the sheets and fix onto the roof, using the preformed end lap grooves on the ridge piece to define the end lap. Secure the ridge pieces with Coroline fixings at every other corrugation.



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### Verges

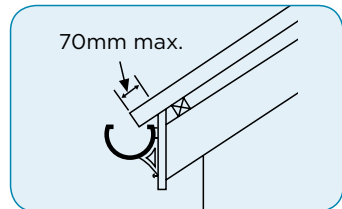
Verges should be formed by either nailing the final corrugation over a raised barge board or using a ridge piece to lay over the verge.



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### Fixing Gutters

Do not overhang fascia by more than 70mm. Draughts may be reduced by using Coroline Polyethylene fillers at eaves.



### Colours Available



BLACK



RED



GREEN



BROWN

### Accessories Available

Coroline accessories include:

Apron Flashing



Onduline Eaves Tray



Batten Cloaking Piece



Ventilator Strip



Please seek advice from the Technical Team for guidance and instruction on fitting Coroline Corrugated Bituminous Roofing Sheet.

### Support

Check the purlins are fixed at the correct centres and are of the correct minimum thickness with the right support. (Details listed in point 1 in fixing instructions section.)

### Sheet overlapping

You must have the correct sheet end lap and corrugation side lap.

### Condensation and Ventilation

Always ensure you have adequate ventilation. Condensation on most projects is avoided by good air ventilation at eaves and gables. Where there is existence of high humidity or minimal ventilation, provision of an insulated vapour barrier is advisable.

Roof Pitch	Support	Sheet End Lap	Sheet Side Lap
5° to 10° or gradient 1 in 12 to 1 in 6	Decking or close boarding	300mm	2 Corrugations
10° to 15° or gradient 1 in 6 to 1 in 4	Purlins at 450mm Centres	200mm	1 Corrugation
15° and over or gradient 1 in 4 or less	Purlins at 600mm Centres	170mm	1 Corrugation

### Fixings

Only use 'Coroline Fixings' at correct spacing. (details listed in point 4 in fixing instructions section)

### Number of Sheets Required

Divide the roof width by the cover width.

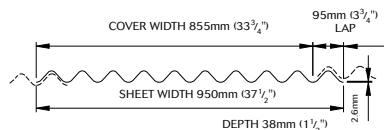
### Number of Fixings Required

Divide the roof width by the fixing centres. Divide the roof length by the support centres and add 3  
Multiply these two values together = approximate number of fixings required.

### 15 Year Waterproof Guarantee

ARIEL PLASTICS LIMITED guarantees that Coroline will remain waterproof for 15 years in normal weather conditions. This Guarantee is only valid providing the Coroline has been fixed in accordance with the manufacturer's instructions and does not extend to the cost of re-erection or other consequential loss. This Guarantee is offered as an extra benefit and does not affect the consumers statutory rights.

PROPERTIES	COROLINE SHEET
Sheet Size	2000mm x 950mm
Cover Width	855mm
Thickness	2.6mm
Sheet Weight	5.6kg
Material Weight	2.9kg/m <sup>2</sup>
Corrugation	38mm height 95mm width





**Contact our sales team:**

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Orderline Email: [sales@arielplastics.com](mailto:sales@arielplastics.com)  
or visit [www.arielplastics.com](http://www.arielplastics.com)

# Coroline®

Corrugated Bituminous Roofing Sheet

GARDEN SHEDS

GARAGES

STABLES

AGRICULTURAL BUILDINGS



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